3M Dyneon™ THVP 2030GZ Fluorothermoplastic Granules

Category : Polymer , Thermoplastic , Fluoropolymer

Material Notes:

THVP 2030GZ is a very flexible, transparent fluoroplastic composed of fluorinated monomers. It is ideal for applications that require the good temperature, chemical and flame resistance of a fluoropolymer but need excellent flexibility or excellent transparency. THVP 2030GZ is processed at low temperatures, but exhibits a slightly higher melt point and end-use temperature capability than THV 220.Features and Benefits: Most flexible grade of THV Bondable to itself and other substrants E-beam crosslinkable Low flammability Highest transparency of the THV grades Processing profile allows co-processing with other plastics, hydrocarbon elastomers and acrylicsInformation provided by Dyneon, A 3M Company

Order this product through the following link:
http://www.lookpolymers.com/polymer_3M-Dyneon-THVP-2030GZ-Fluorothermoplastic-Granules.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.98 g/cc	1.98 g/cc	ASTM D792
Bulk Density	0.950 g/cc	0.0343 lb/in³	ASTM D1895
Melt Index of Compound	25 g/10 min @Load 5.00 kg, Temperature 265 °C	25 g/10 min @Load 11.0 lb, Temperature 509 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	23.0 MPa	3340 psi	ASTM D1708
Elongation at Break	535 %	535 %	ASTM D1708
Flexural Modulus	0.0320 GPa	4.64 ksi	two inch span; ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	130 °C	266 °F	ASTM D4591

Optical Properties	Metric	English	Comments
Refractive Index	1.35	1.35	nD
Transmission, Visible	91 % @Thickness 0.254 mm, Wavelength 500 nm	91 % @Thickness 0.0100 in, Wavelength 500 nm	film
IR Transmittance	92 % @Thickness 2.34 mm, Wavelength 750 nm	92 % @Thickness 0.0920 in, Wavelength 750 nm	film

Optical Properties	Metric	English	Comments
UV Transmittance	75 % @Thickness 0.254 mm, Wavelength 220 nm	75 % @Thickness 0.0100 in, Wavelength 220 nm	film
	90 % @Thickness 0.254 mm, Wavelength 350 nm	90 % @Thickness 0.0100 in, Wavelength 350 nm	film

Descriptive Properties	Value	Comments
Form	Pellets	

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